

DERWENT-ACC-NO: 1975-62966W

DERWENT-WEEK: 197538

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TITLE: Printed decorative boards with
3-dimensional effect -
prepd. by pressing resin impregnated
paper to printed
substrate

PATENT-ASSIGNEE: IBIGAWA ELECTRIC KK[IBIG]

PRIORITY-DATA: 1973JP-0074018 (July 2, 1973)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
JP 50023454 A		March 13, 1975	N/A
000	N/A		
JP 81004405 B		January 30, 1981	N/A
000	N/A		

INT-CL (IPC): B29C027/12, B32B031/12

ABSTRACTED-PUB-NO: JP 50023454A

BASIC-ABSTRACT:

A substrate is printed with an ink contg. acidic or basic cpds. covered with paper impregnated with an aminoplast, and pressed to give a decorative board having 3-dimensional effect. The curing of resin in the printed areas is accelerated (by acid) or delayed (by base) to form surfaces optically different from those of unprinted areas. In an example the combination of a release sheet, 5 layers of 190 g/m² Kraft paper impregnated with phenolic resin, a piece of 90 g/m² paper printed with water-based ink contg. 50% NaOH and impregnated with 1:2 (molar) melamine-formaldehyde resin

(I) to 100 g/m², a
piece of 26 g/m² overlay paper impregnated with I contg.
0.001% curing agent
and 0.001% release agent to 55 g/m², and a 2-mm polished
stainless steel plate
was pressed 20 min. at 140 degrees C and 70 kg/cm².

TITLE-TERMS: PRINT DECORATE BOARD DIMENSION EFFECT
PREPARATION PRESS RESIN
IMPREGNATE PAPER PRINT SUBSTRATE

DERWENT-CLASS: A21 A81 P73

CPI-CODES: A05-B01; A12-A04;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Multipunch Codes: 012 03- 04- 075 080 139 140 180 185 189
231 26& 299 314 341
359 38& 387 431 442 443 465 47& 473 477 681